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Attorney Docket No. 018360-254508

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No. : **10/647,062**

Confirmation No. **9710**

Applicant : **Zhong, et al.**

Filed : **August 22, 2003**

Title : **CORE AREA TERRITORY PLANNING
FOR OPTIMIZING DRIVER FAMILIARITY
AND ROUTE FLEXIBILITY**

Art Unit : **3661**

Examiner : **Donnelly, Arthur D.**

Docket No. : **018360-254508**

Customer No. : **00826**

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

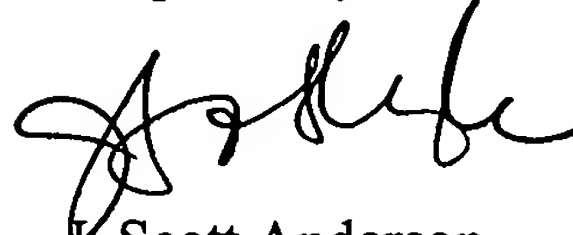
**SUPPLEMENTAL
INFORMATION DISCLOSURE STATEMENT
CITATION UNDER 37 C.F.R. § 1.97**

Sir:

This Supplemental Information Disclosure Statement is submitted in accordance with 37 C.F.R. § 1.97(b), which governs disclosures made before a first Office Action. Attached is a list of documents on form PTO-1449 together with a copy of each identified document.

It is requested that the Examiner consider these documents and officially make them of record in accordance with the provisions of 37 C.F.R. § 1.97 and Section 609 of the MPEP. By submitting the listed documents, Applicant in no way makes any admission as to the prior art status of the listed documents, but is instead submitting the listed documents for the sake of full disclosure.

Respectfully submitted,



J. Scott Anderson

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CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first-class mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450, on this, the 22 day of July, 2004.



Shana Moore



INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known	
				Application Number	10/647,062
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				Examiner Name	Donnelly, Arthur D.
Sheet	1	of	4	Attorney Docket Number	018360-254508

OTHER PRIOR ART: NON-PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.	Include name of the (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T?
	62	KUHN, H.W.; "The Hungarian Method for the Assignment Problem," NAVAL RESEARCH LOGISTICS QUARTERLY (1955); pp. 83-97, Vol. 2.	N/A
	63	BEARDWOOD, Jillian, <i>et al.</i> ; "The Shortest Path Through Many Points," PROCEEDINGS OF THE CAMBRIDGE PHILOSOPHICAL SOCIETY (Mar. 1958); pp. 299-328, Vol. 55.	N/A
	64	GILLET, Billy E., <i>et al.</i> ; "A Heuristic Algorithm for the Vehicle-Dispatch Problem," OPERATIONS RESEARCH (April 1971); pp. 340-49, Vol. 22.	N/A
	65	FISHER, M.L., <i>et al.</i> ; "A Generalized Assignment Heuristic for Vehicle Routing," NETWORKS (1981); pp. 109-124, Vol. 11.	N/A
	66	CHRISTOFIDES, Nicos, <i>et al.</i> ; "State-Space Relaxation Procedures for the Computation of Bounds to Routing Problems," NETWORKS (1981); pp. 145-64, Vol. 11.	N/A
	67	BEASLEY, J.E.; "Fixed Routes," JOURNAL OF THE OPERATIONAL RESEARCH SOCIETY (1984); pp. 49-55, Vol. 35, No. 1.	N/A
	68	DAGANZO, Carlos F.; "The Distance Traveled to Visit N Points With a Maximum of C Stops Per Vehicle: An Analytical Model and An Application," TRANSPORTATION SCIENCE (Nov. 1984); pp. 331-50; Vol. 18, No. 4.	N/A
	69	DROR, M., <i>et al.</i> ; "Stochastic Vehicle Routing With Modified Savings Algorithm," European Journal of Operational Research (1986); pp. 228-35; Vol. 23.	N/A
	70	DAGANZO, Carlos F.; "One-to-Many Distribution With Trans-Shipments," LOGISTICS SYSTEMS ANALYSIS (3rd Ed. 1999, Springer-Verlag, Berlin); Chapter 5; pp. 163-210.	N/A
	71	DAGANZO, Carlos F.; "Many-to-Many Distribution," LOGISTICS SYSTEMS ANALYSIS (3rd Ed. 1999, Springer-Verlag, Berlin); Chapter 6; pp. 211-73.	N/A
	72	OSMAN, Ibrahim H., <i>et al.</i> ; "Meta-Heuristics: An Overview," META-HEURISTICS: THEORY & APPLICATIONS (1996, Kluwer Academic Publishers, Boston; I.H. Osman and J.P. Kelly, Editors); Chapter 1; pp. 1-21.	N/A

Examiner Signature		Date Considered	
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Substitute for form 1449A/PTO (Revised 10/2001) INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known	
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	73	AL-MAHMEED, Ahmed S.; "Tabu Search, Combination and Integration," META-HEURISTICS: THEORY & APPLICATIONS (1996, Kluwer Academic Publishers, Boston; I.H. Osman and J.P. Kelly, Editors); Chapter 20; pp. 319 – 330.	N/A
	74	BATTITI, Roberto, <i>et al.</i> ; "Vector Quantization with the Reactive Tabu Search," META-HEURISTICS: THEORY & APPLICATIONS (1996, Kluwer Academic Publishers, Boston; I.H. Osman and J.P. Kelly, Editors); Chapter 21; pp. 331 – 342.	N/A
	75	CASTELINO, Diane, <i>et al.</i> ; "Tabu Thresholding for the Frequency Assignment Problem," META-HEURISTICS: THEORY & APPLICATIONS (1996, Kluwer Academic Publishers, Boston; I.H. Osman and J.P. Kelly, Editors); Chapter 22; pp. 343 – 359.	N/A
	76	DELL'AMICO, Mauro, <i>et al.</i> ; "A New Tabu Search Approach to the 0-1 Equicut Problem," META-HEURISTICS: THEORY & APPLICATIONS (1996, Kluwer Academic Publishers, Boston; I.H. Osman and J.P. Kelly, Editors); Chapter 23; pp. 361 – 377.	N/A
	77	DOWSLAND, Kathryn, A.; "Simple Tabu Thresholding and the Pallet Loading Problem," META-HEURISTICS: THEORY & APPLICATIONS (1996, Kluwer Academic Publishers, Boston; I.H. Osman and J.P. Kelly, Editors); Chapter 24; pp. 379 – 405.	N/A
	78	GLOVER, Fred, <i>et al.</i> ; "Critical Event Tabu Search for Multidimensional Knapsack Problems," META-HEURISTICS: THEORY & APPLICATIONS (1996, Kluwer Academic Publishers, Boston; I.H. Osman and J.P. Kelly, Editors); Chapter 25; pp. 407 – 427.	N/A
	79	GLOVER, Fred, <i>et al.</i> ; "Solving Dynamic Stochastic Control Problems in Finance Using Tabu Search with Variable Scaling," META-HEURISTICS: THEORY & APPLICATIONS (1996, Kluwer Academic Publishers, Boston; I.H. Osman and J.P. Kelly, Editors); Chapter 26; pp. 429 – 448.	N/A
	80	HANAFI, S., <i>et al.</i> ; "Comparison of Heuristics for the 0-1 Multidimensional Knapsack Problem," META-HEURISTICS: THEORY & APPLICATIONS (1996, Kluwer Academic Publishers, Boston; I.H. Osman and J.P. Kelly, Editors); Chapter 27; pp. 449 – 465.	N/A
	81	LØKKETANGEN, Arne, <i>et al.</i> ; "Probabilistic Move Selection in Tabu Search for Zero-One Mixed Integer Programming Problems," META-HEURISTICS: THEORY & APPLICATIONS (1996, Kluwer Academic Publishers, Boston; I.H. Osman and J.P. Kelly, Editors); Chapter 28; pp. 467 – 487.	N/A

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	82	SONDERGELD, Lutz, <i>et al.</i> ; "A Star-Shaped Diversification Approach in Tabu Search," META-HEURISTICS: THEORY & APPLICATIONS (1996, Kluwer Academic Publishers, Boston; I.H. Osman and J.P. Kelly, Editors); Chapter 29; pp. 489 – 502.	N/A
	83	TOULOUSE, Michel, <i>et al.</i> ; "Communication Issues in Designing Cooperative Multi-Thread Parallel Searches," META-HEURISTICS: THEORY & APPLICATIONS (1996, Kluwer Academic Publishers, Boston; I.H. Osman and J.P. Kelly, Editors); Chapter 30; pp. 503 – 522.	N/A
	84	TSENG, Fan; "A Study on Algorithms for Selecting r Best Elements from An Array," META-HEURISTICS: THEORY & APPLICATIONS (1996, Kluwer Academic Publishers, Boston; I.H. Osman and J.P. Kelly, Editors); Chapter 31; pp. 523 – 535.	N/A
	85	VALLS, Vicente, <i>et al.</i> ; "A Modified Tabu Thresholding Approach for the Generalised Restricted Vertex Colouring Problem," META-HEURISTICS: THEORY & APPLICATIONS (1996, Kluwer Academic Publishers, Boston; I.H. Osman and J.P. Kelly, Editors); Chapter 32; pp. 537 – 553.	N/A
	86	WOODRUFF, David L.; "Chunking Applied to Reactive Tabu Search," META-HEURISTICS: THEORY & APPLICATIONS (1996, Kluwer Academic Publishers, Boston; I.H. Osman and J.P. Kelly, Editors); Chapter 33; pp. 555 – 569.	N/A
	87	ZACHARIASEN, Martin, <i>et al.</i> ; "Tabu Search on the Geometric Traveling Salesman Problem," META-HEURISTICS: THEORY & APPLICATIONS (1996, Kluwer Academic Publishers, Boston; I.H. Osman and J.P. Kelly, Editors); Chapter 34; pp. 571 – 587.	N/A
	88	CHARON, Irène, <i>et al.</i> ; "Mixing Different Components of Metaheuristics," META-HEURISTICS: THEORY & APPLICATIONS (1996, Kluwer Academic Publishers, Boston; I.H. Osman and J.P. Kelly, Editors); Chapter 35; pp. 589 – 603.	N/A
	89	TEN EIKELDER, H.M.M., <i>et al.</i> ; "A Probabilistic Analysis of Local Search," META-HEURISTICS: THEORY & APPLICATIONS (1996, Kluwer Academic Publishers, Boston; I.H. Osman and J.P. Kelly, Editors); Chapter 36; pp. 605 – 618.	N/A
	90	POTVIN, Jean-Yves, <i>et al.</i> ; "The Clustered Traveling Salesman Problem: A Genetic Approach," META-HEURISTICS: THEORY & APPLICATIONS (1996, Kluwer Academic Publishers, Boston; I.H. Osman and J.P. Kelly, Editors); Chapter 37; pp. 619 – 631.	N/A

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	91	EGLESE, Richard W., <i>et al.</i> ; "A Tabu Search Based Heuristic for Arc Routing with a Capacity Constraint and Time Deadline," META-HEURISTICS: THEORY & APPLICATIONS (1996, Kluwer Academic Publishers, Boston; I.H. Osman and J.P. Kelly, Editors); Chapter 38; pp. 633 – 649.	N/A
	92	GHAZIRI, Hassan; "Supervision in the Self-Organizing Feature Map: Application to the Vehicle Routing Problem," META-HEURISTICS: THEORY & APPLICATIONS (1996, Kluwer Academic Publishers, Boston; I.H. Osman and J.P. Kelly, Editors); Chapter 39; pp. 651 – 660.	N/A
	93	REGO, César, <i>et al.</i> ; "A Parallel Tabu Search Algorithm Using Ejection Chains for the Vehicle Routing Problem," META-HEURISTICS: THEORY & APPLICATIONS (1996, Kluwer Academic Publishers, Boston; I.H. Osman and J.P. Kelly, Editors); Chapter 40; pp. 661 – 675.	N/A
	94	TOTH, Paolo, <i>et al.</i> ; "Fast Local Search Algorithms for the Handicapped Persons Transportation Problem," META-HEURISTICS: THEORY & APPLICATIONS (1996, Kluwer Academic Publishers, Boston; I.H. Osman and J.P. Kelly, Editors); Chapter 41; pp. 677 – 690.	N/A
	95	ERERA, Alan L.; "Design of Large-Scale Logistics Systems for Uncertain Environments" (Fall 2000, Dissertation, University of California, Berkeley); pp. 1-206.	N/A

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